[0006] In the case where the above electrical cable 1 is arranged in the electrical connection box to form an internal circuit, the electrical cable is pushed into an insulation displacement slot 4a in an insulation displacement terminal 4 in an insulation displacement manner to form a branched connection circuit. The insulation displacement terminal 4 is produced by punching a copper-based metal plate. The internal circuit in the electrical connection box uses a bus bar. The bus bar is produced by punching a copper-based metal plate into a circuit configuration.

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[0007] ~~Recently, requirement makes~~ Recent requirements make it desirable to enhance recyclability of junked automobiles. Iron accounts for the largest percentage of an automobile. When the junked automobile is thrown into an incinerator to recover and recycle the iron, the required mixing rate of copper to iron should be less than 0.1%. This prevents the iron from becoming denatured due to a reaction with the copper.

[0008] Since the electrical cable 1 is made of soft copper wires, as described above, it is preferable to remove the electrical cable 1 from the car body upon disassembly of the automobile and to separate the electrical cable 1 from the iron-based car body. A wire harness including a group of electrical cables arranged along the car body can easily be separated from the car body. However, the electrical connection box must be disassembled in order to remove the electrical cable from the electrical connection box. This requires extensive manpower and is not practical.

[0009] In the case where the internal circuit in the electrical connection box is formed by bus bars made of a copper-based metal plate, the bus bars must be removed from the electrical connection box. This also requires extensive manpower and is not practical.

[0010] The insulation sheath 3 of the electrical cable 1 is made of vinyl chloride. Recently, environmental requirements dictate lower utilization of vinyl chloride, which has a chlorine component, in order to suppress halogenation.